



The Chemical Company

POLYHEED[®] 709R

Retarding type concrete improving admixture

DESCRIPTION

POLYHEED 709R is a ready-to-use liquid admixture for making better, more uniform and more predictable high quality concrete. It retards the setting time to facilitate placing and finishing.

POLYHEED 709R has been formulated to meet the requirements of ASTM C494 for Types B and D admixtures. **POLYHEED 709R** is compatible with all cements meeting recognised international standards.

FIELDS OF APPLICATION

- all types of concrete where retardation of set and improved performance are required.
- improving pumped concrete and conventionally placed concrete.
- improving plain, reinforced, precast, prestressed, light weight or standard weight concrete.

FEATURES AND BENEFITS

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| Good water reduction | Improves watertightness. Greater durability. Increases compressive, flexural and bond strengths. |
| Good workability | Easier placement. |
| Good cohesion | Reduces segregation. |

TYPICAL PERFORMANCE DATA

In comparison to plain concrete, a mix containing **POLYHEED 709R** develops higher early and ultimate strengths while having retarded setting characteristics.

APPLICATION

Dispensing

POLYHEED 709R can be added into the mixing water, or can be added to the wet concrete after the mixing water has been added. The addition of **POLYHEED 709R** to a dry concrete mix is not recommended. A separate dispenser and feed line must be used.

DOSAGE

POLYHEED 709R is recommended for use at a dosage rate of 250-450ml per 100 kg of cementitious materials. Variations in the job conditions and concrete making materials employed may require dosage rates outside the recommended range.

Consult your BASF Construction Chemicals field representative for assistance in determining the rate dosage.

PACKAGING

POLYHEED 709R is available in 205L drums or by bulk delivery.

SHELF LIFE

POLYHEED 709R can be stored for 12 months if stored at temperatures above 5°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

PRECAUTIONS

Health : **POLYHEED 709R** does not contain any hazardous substances requiring labelling.

It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.

For detailed Health, Safety and Environmental recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF Construction Chemicals** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

BASF Construction Chemicals offices in ASEAN

Singapore

Tel :+65-6861-6766
Fax :+65-6861-3186

Malaysia

Tel :+60-3-5628-3388
Fax :+60-3-7847-6781

Indonesia

Tel :+62-21-893-4339
Fax :+62-21-893-4342

Thailand

Tel :+66-2204-9427
Fax :+66-2664-9267

Vietnam

Tel :+84-650-743-100
Fax :+84-650-743-200

Philippines

Tel : +63-2-889-4321
Fax : +63-2-889-4361